

INTERNATIONAL SEARCH REPORT

PCT/EP 03/02888

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 F03D11/04 F03D1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 F03D E04H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 38 42 026 A (SCHIFFER DIETRICH F W) 19 July 1990 (1990-07-19) abstract column 2, line 10 - line 16 claim 3; figures ---	1,8
A	US 3 935 633 A (BUNKER JACK E) 3 February 1976 (1976-02-03) abstract column 1, line 7 - line 10 column 3, line 2 - line 28; figures 2,3 column 4, line 37 - line 61; figures 12,13 ---	1,8
A	WO 02 12657 A (ARAND WILFRIED) 14 February 2002 (2002-02-14) page 1, paragraph 1 page 16, paragraph 3 -page 20, paragraph 1 ---	1,8

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the Invention
- *X* document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

19 November 2003

Date of mailing of the International search report

26/11/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 1 597 534 A (ZUEBLIN AG) 9 September 1981 (1981-09-09) page 1, line 32 -page 2, line 17 page 2, line 44 - line 117 -----	1,8
A	DE 10 31 952 B (AUG KLOENNE FA) 12 June 1958 (1958-06-12) -----	

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Information on patent family members

PCT/EP 03/02888

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US 3935633	A	03-02-1976	US	4068359 A		17-01-1978
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DE 1031952	B	12-06-1958	NONE			